Please amend the Abstract on page 24 as follows:

ABSTRACT

~~Simplified method of detection by spheres when there is a low signal to noise ratio~~

Method of detecting a plurality [[K]] of symbols ~~($d_k(i)$)~~ transmitted by or ~~for~~ to a plurality [[K]] of users from a received signal, each symbol of a user belonging to a modulation constellation, the detection method using a lattice of points [[(Ξ)]] generated by the ~~said~~ modulation constellations, the ~~said~~ plurality of symbols of the different users being represented by a point amongst a subset of points in the ~~said~~ lattice, the ~~said~~ constellation and the received signal being represented by a point characteristic of this signal, referred to as the received point, translated from a point in the ~~said~~ constellation by a noise vector [[($\mathbf{n}$)]], the method ~~comprising~~ including a step of orthogonal projection of the received point onto an affine subspace, referred to as a projection subspace, parallel to or merged with an affine subspace delimiting the ~~said~~ constellation, and a step of seeking the closest neighbor to the point thus projected amongst the points in the ~~said~~ constellation.

~~Fig. 4~~